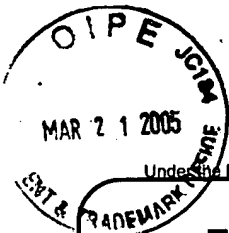


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PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b>  <small>(to be used for all correspondence after initial filing)</small>	Application Number	10/644,073	
	Filing Date	08/18/2003	
	First Named Inventor	Dehao Zhu	
	Art Unit	2857	
	Examiner Name	Carol S.W. Tsai	
Total Number of Pages in This Submission	12	Attorney Docket Number	D5407-200

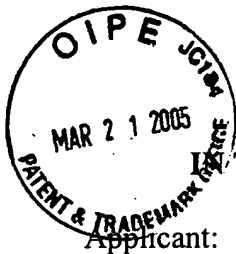
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Remarks <span style="border: 1px solid black; display: inline-block; width: 100px; height: 1.2em; vertical-align: middle;"></span>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Duane Morris LLP		
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CERTIFICATE OF TRANSMISSION/MAILING			
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Applicant:	Zhu, Dehao et al.	§	Examiner:	Tsai, Carol S W
		§		
Serial No.:	10/644,073	§	Group Art Unit:	2857
		§		
Filing Date:	08/18/2003	§	Attorney Docket:	D5407-200
		§		104-30772-US
Title:	Neural Network Model For	§		
	Electric Submersible Pump	§		

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
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**AMENDMENT AND OFFICE ACTION RESPONSE**

Dear Sir:

Responsive to the Office Action mailed December 23, 2004 please make the following amendments: